

## ABSTRACT OF THE DISCLOSURE

A voltage controlled oscillator (VCO) includes a current source, a current sink and a frequency generator. The current source generates a first current having a first negative temperature coefficient. The current sink generates a second current. A current level of the second current varies in response to a first voltage level of a control voltage, and the second current has a second negative temperature coefficient. The frequency generator generates an oscillating signal having a frequency corresponding to a difference between the first and second currents. The VCO generates the oscillating signal having a stable frequency that is independent of temperature variation.

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